

Labor Market Information:

What Can It Tell You About Workforce Trends in Michigan and Your Local Region?

Bruce Weaver
DLEG – Bureau of Labor Market Information
September 25, 2008

Who We Are

Department of Labor & Economic Growth

Bureau of Labor Market Information & Strategic Initiatives

- Our data is produced using established federal methodologies; this means our data is fully comparable with information produced in other states and regions.
- We maintain ongoing data programs rather than one-time ad-hoc surveys or reports

Labor Market Information

- Is the process of collecting, analyzing, estimating, reporting, and publishing economic data to describe and predict the relationship between labor demand and labor supply
- What are the sources of the basic data collection?
 - Employer surveys
 - Administrative records

Why Is Labor Market Information Important?

- LMI affects social, fiscal, technological, and economic policies
- LMI impacts:
 - Career decisions of students and jobseekers
 - Curriculum planning for education & training
 - Employer hiring and location decisions
 - How government dollars are allocated

Our Customers Ask . . .

- What do jobs pay locally and how does this compare with neighboring regions?
- What are the high-demand jobs in my region? What industries are expanding?
- What occupations offer opportunities for placing recent graduates or laid off workers?
- What key job skills are required by employers?
- Is there a sufficient skilled workforce in this region?
- How educated is the local labor force?

What Information Is Available?

- Occupational wages
- Occupational forecasts
- Skill requirements
- Industry jobs
- Industry forecasts
- Average weekly wage
- Employer Locator
- Jobs, hours & earnings by industry
- Labor force data
- Population characteristics
- Commuting patterns
- Local Employment Dynamics
- Job Vacancy statistics
- Mass layoff statistics
- Program enrollments and degrees granted
- Job applicant characteristics

How Can You Use This Information in Your Job?

- **Does your job require talking with employers?**
 - If you keep up with local economic trends, employers you deal with will quickly realize you are informed
- **Does your job require you to assist jobseekers?**
 - Knowledge of LMI will help you to quickly show them resources on high demand jobs, wage rates for specific occupations, growth sectors in your local economy, or lists of specific local employers
- **Do you work with specific groups of customers, such as dislocated workers or older workers?**
 - Check out the Local Employment Dynamics program; it may give you clues on which industries in your local region typically hire workers by age/gender
- **Do you assist customers with barriers to employment (physical limitations or limited proficiency in English?)**
 - ONET can be a useful resource
- **Does your job involve identifying local growth industries or local demand occupations?**
 - LMI provides a number of resources on your specific region that can help



Basic Labor Market Indicators

- **Labor Force Status**
- **Jobs by Industry**
- **Wages by Industry**
- **Jobs by Occupation**
- **Wages by Occupation**
- **Mass Layoff Statistics**

Labor Force Status

Labor Force Data

- **Data Produced**
 - Civilian Labor Force
 - Employed
 - Unemployed
 - Unemployment Rate
- **Geography**
 - State, all metro areas, all counties, large cities
- **Published monthly**



Current Population Survey - CPS

- **Household survey conducted by U.S. Census Bureau**
 - 60,000 Households nationwide
 - 1,800 Households in Michigan
- **Survey directly determines the U.S. monthly statistics**
 - Size and demographics of the labor force
 - Number of employed
 - Number of unemployed
- **For states, survey is supplemented with other indicators in a regression model**

You are Employed if You

- **Worked at least one hour for pay or profit**
OR
- **Worked 15 hrs without pay for family-run business**
OR
- **Were temporarily absent from work due to illness, vacation, bad weather or labor dispute**

You are Unemployed if You

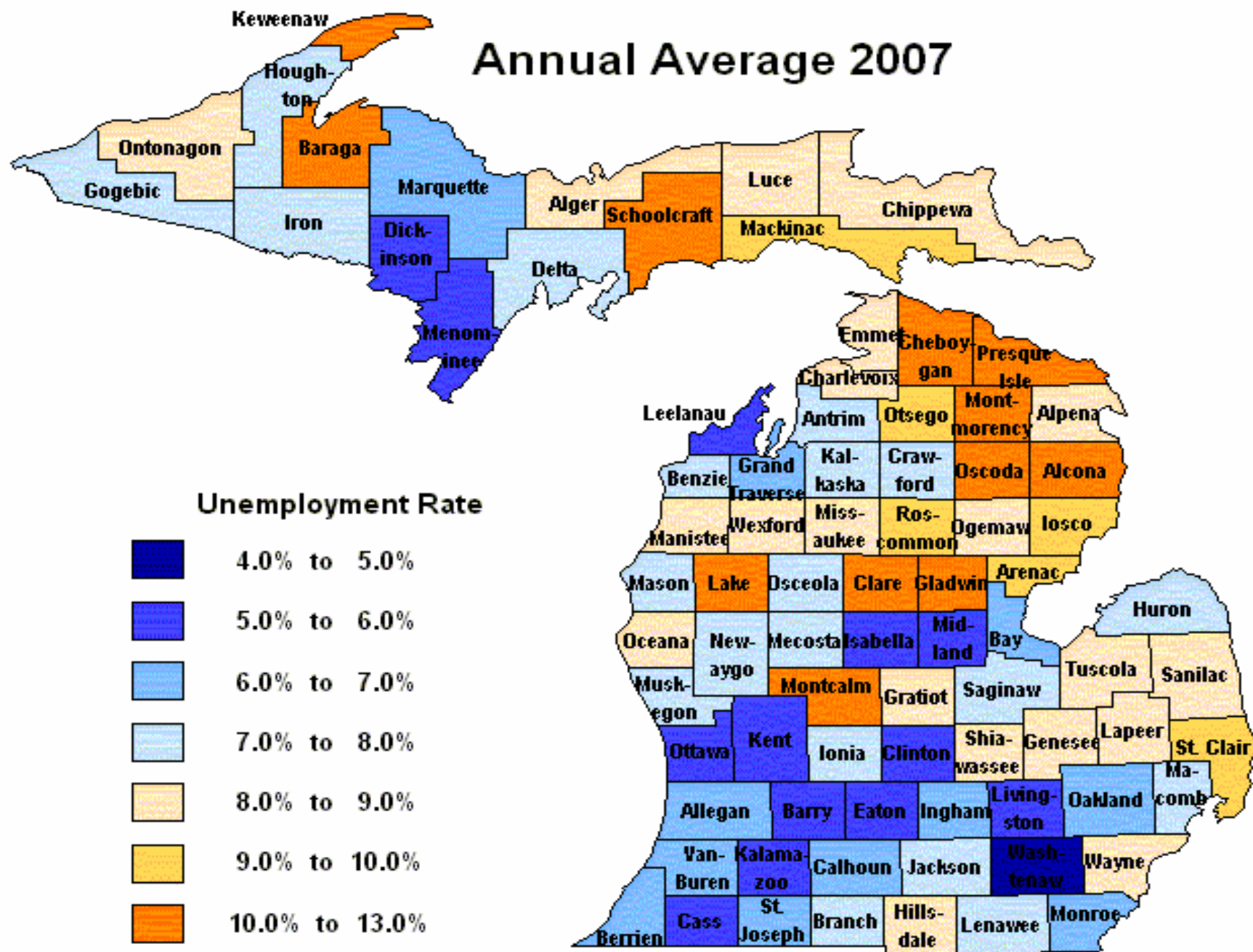
- **Did no work for pay during the survey week**
- AND**
- **Made a specific effort to find work during the last four weeks**
- AND**
- **Were available for work (unless temporarily ill but otherwise employed)**

Note: The definition of unemployed has nothing to do with receiving unemployment benefits; only ~ 40 percent of unemployed receive UI benefits.

Examples of Persons “Not in the Labor Force”

- **Retirees**
- **Persons with family responsibilities**
- **Full-Time Students**
- **Persons marginally attached to labor force**
 - **Looked for work in last 12 months (but not in the last 4 weeks)**
 - **Discouraged job seekers**

Annual Average 2007



Industry Data

Industry Employment Data Sources

- **Current Employment Statistics (CES)**
 - Provides monthly estimate of jobs by industry for Michigan and specific metro regions
 - Based on an employer survey
 - Estimates released monthly
 - Available for U.S., Michigan and metropolitan areas
 - Advantage – most current information source
 - Disadvantage – limited industry and geographic detail

Industry Employment Data Sources

- **Quarterly Census of Employment & Wages (QCEW)**
 - Near-universe count of establishments, jobs and payroll for firms covered by unemployment insurance tax law
 - Estimates released quarterly – but includes monthly job counts
 - Available for all counties
 - Advantage – most industry detail and geographic detail
 - Disadvantage – Less timely; data released 7 months after reference quarter

Where to Find Information on Industries

- **Employment levels by detailed industry**
 - State and metro area (CES data) www.michigan.gov/lmi
(Click on Industry Information or Data Explorer links)
 - Counties (QCEW data) www.michigan.gov/lmi (Click on Data Explorer link)
- **Industry forecasts**
 - 2014 forecasts for Michigan regions
 - State and regional: www.michigan.gov/lmi
 - National: www.bls.gov/emp/
- **Industry staffing patterns**
 - On-line at www.bls.gov/emp/empiols.htm



Michigan Broad Industry Sectors Ranked by Job Growth Rate

Industry	Total Jobs 2007	Job Growth Rate 1997-2007
Educational & Health Services	595,000	+ 21.6%
Leisure & Hospitality Services	404,500	+ 6.9 %
Financial Activities	211,400	+ 3.4 %
Other Services	176,700	+ 3.0 %
Government	657,200	+ 1.5 %
Professional & Business Serv.	573,300	+ 1.0 %



Which Detailed Michigan Industries Have Recorded the Fastest Job Growth Since 1997?

Industry	Total Jobs 2007	Job Growth Rate 1997-2007
Gambling Industries	7,300	+ 151.7%
Private Schools	78,000	+ 56.9 %
Full Service Restaurants	133,600	+ 25.0 %
Science/Tech Consulting Serv.	19,200	+ 20.0 %
Health Care & Social Assist.	517,000	+ 17.6 %
Nonprofit Organizations	97,800	+ 17.3 %
Truck Transportation	40,900	+ 17.2%
Health & Personal Care Stores	33,800	+ 11.9%



Which Michigan Works! Regions Lead the State in Job Growth in Health Care Since 2004?

Michigan Works! Region	Health Care Jobs - 2007	Health Care Job Growth Rate 2004-2007
Livingston County	4,200	+ 17.2%
Ottawa County	7,500	+ 14.0 %
ACSET	45,400	+ 13.1 %
Macomb-St. Clair	41,600	+ 11.1 %
Capital Area	24,600	+ 11.1 %
Saginaw-Midland-Bay	24,900	+ 11.0 %
Oakland County	89,700	+ 9.2%
Kalamazoo-St. Joseph	18,400	+ 9.1%

Occupational Data

Occupational Data

Occupational Employment Statistics (OES) Program

- **Federal-State cooperative program**
- **Collects data on wage & salary workers in nonfarm establishments**
 - Self-employed persons not included
- **400,000 firms surveyed each year nationwide**
- **Produces employment and wage estimates**
 - For over 800 occupations by geographic area
- **Uses Standard Occupational Classification (SOC) system**



Occupational Employment Forecasts

- **Produced for Michigan and 18 regions**
- **Forecasts for 2006-2016 available for Michigan**
- **Forecasts for 2004-2014 available for regions**
- **Reflects long-term growth prospects**
 - **May not mirror current job outlook**
 - **Short-term 2007-2009 forecasts available for Michigan only**

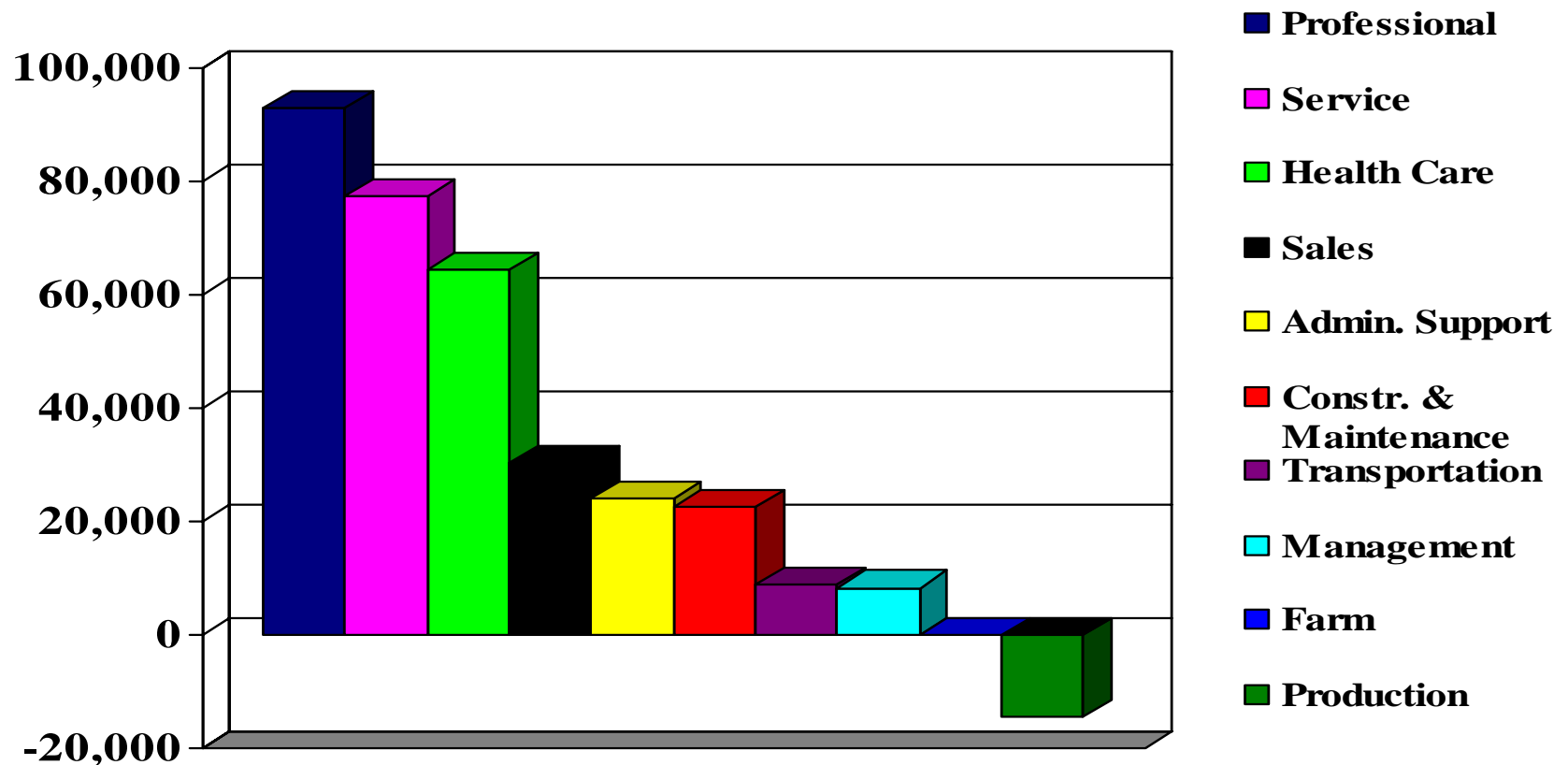
Where to Find Information on Occupational Employment

- **Employment levels by detailed occupation**
 - State and regional www.michigan.gov/lmi (Click on Data Explorer – OES)
- **Occupational forecasts (job outlook)**
 - 2016 forecasts for Michigan
 - 2014 forecast for Michigan regions
 - State and regional: www.michigan.gov/lmi (Click on Occupational Information or The Future)
 - National: www.bls.gov/emp/

Where to Find Information on Occupational Wages

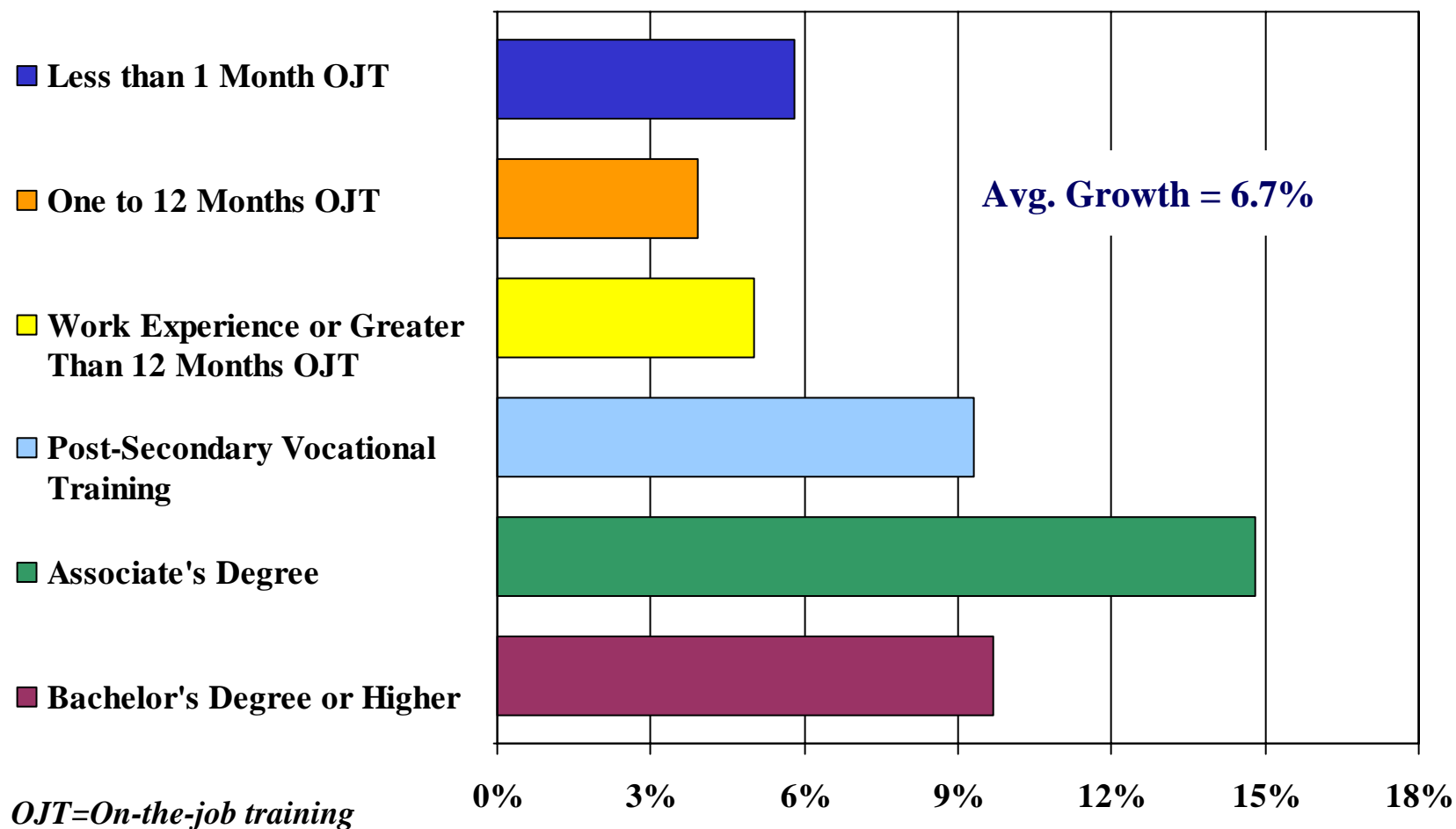
- Occupational wages
 - State and regional averages:
www.michigan.gov/lmi
 - National: www.bls.gov/oes/
 - National, state and regional percentile groups:
www.careeronestop.org/SalariesBenefits

Professionals Will Account For Nearly A Third Of MI New Jobs



Numerical Employment Growth - 2006 to 2016

Fastest Growing Occupations Require Advanced Education



Occupations With High Expected Pace Of Job Gain

Occupation	Growth Rate	Growth	Average Wage
Home Health Aides	33.4%	10,740	\$ 9.76
Computer Software Engineers	30.0%	3,480	\$ 36.67
Medical Assistants	29.9%	5,340	\$ 13.34
Pharmacy Technicians	27.1%	2,800	\$13.25
Customer Service Reps.	21.4%	13,880	\$ 15.98
Social & Human Service Assts	19.6%	2,260	\$ 14.06
Registered Nurses	19.1%	16,130	\$29.34
Industrial Engineers	18.8%	4,190	\$36.99
Computer Systems Analysts	18.6%	3,210	\$37.54

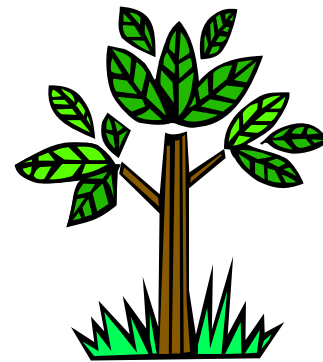
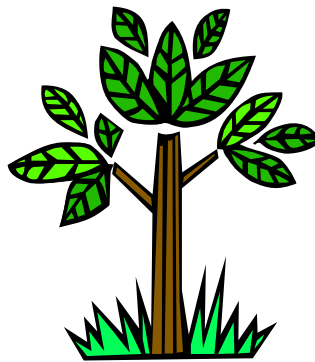
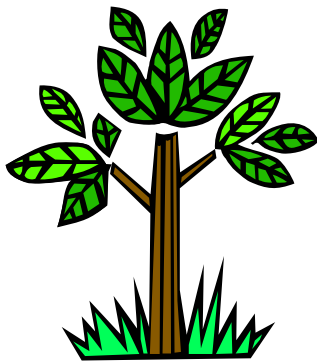
So, What's a Specific Example of Putting Industry & Occupational Information to Use??

- Your job involves work with a seasonal migrant worker. They indicate a desire to stay in your region and switch to more stable, full-time work. What resources can identify favorable local industries or occupations for them to consider?
 - What are the largest local industries that generate lots of jobs?
 - Use the Quarterly Census of Employment & Wages database to identify the largest industries by employment size
 - Use the same source to identify which industry sectors have added jobs in your county over the past two years
 - What detailed occupations have the best long-term outlook for job growth?
 - Use the data on Occupational Employment Forecasts 2004-2014 for your region to identify jobs with an above average forecast growth rate or an above average number of annual job openings
 - What are the average wage rates for some of these jobs?
 - The website can provide average wages or wage ranges for many occupations in regions throughout the state

Mass Layoff Statistics

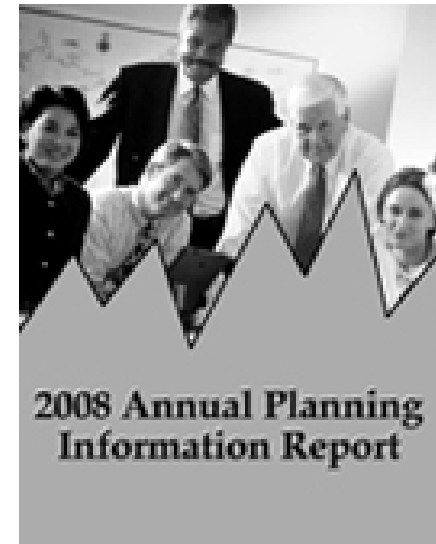
- Provides information on mass layoffs involving:
 - 50 or more workers
 - Duration of at least 31 days
- Provides information on:
 - Demographic characteristics of workers affected
 - Reason given by employer for the layoff
 - Breakdowns by industry

Other LMI Products



Annual Planning Information Report

- Published for each of Michigan's 25 MWA's
- Used by local planners
- Includes information on population, labor force, industries, occupations & skills
- Available at www.michigan.gov/lmi
(Click on Publications)





Career Outlook Brochure

- Provides career outlook information for 18 regions
- Highlights fast-growing occupations by education or training requirement, and occupations supplying a large number of local job openings
- Useful to jobseekers, persons seeking a career change & students
- Outlook 2014 brochures available soon

**Michigan
Career
Outlook
Through 2012**

LMI Quick Reference Guide

- Publication designed to answer the following questions:
 - What are the key LMI data sets?
 - Why are they important and how can they be used?
 - What are the step-by-step instructions for pulling these data sets off the web?
 - What useful information products and websites exist?



Talent Bank Job Seeker Summaries

- Produced quarterly for all 25 Michigan Works! agency areas.
- Provides a customized occupational distribution of Talent Bank applicants and job orders
- Also gives an educational breakdown for applicants
- Good tool for providing snapshot of regional Talent Bank labor pool

Michigan Talent Bank Applicant Summary
(April - June 2008)

Occupational Group	Number of Applicants
Management Occupations	57,539
Business and Financial Operations Occupations	17,862
Computer and Mathematical Occupations	5,103
Architecture and Engineering Occupations	12,062
Life, Physical, and Social Science Occupations	1,447
Community and Social Services Occupations	6,194
Legal Occupations	2,201
Education, Training, and Library Occupations	7,266
Arts, Design, Entertainment, Sports, and Media Occupations	9,124
Healthcare Practitioners and Technical Occupations	10,625
Healthcare Support Occupations	35,564
Protective Service Occupations	13,980
Food Preparation and Serving Related Occupations	43,085
Building and Grounds Cleaning and Maintenance Occupations	52,430
Personal Care and Service Occupations	12,220
Sales and Related Occupations	52,484
Office and Administrative Support Occupations	92,039
Farming, Fishing, and Forestry Occupations	4,862
Construction and Extraction Occupations	50,740
Installation, Maintenance, and Repair Occupations	16,254
Production Occupations	71,846
Transportation and Material Moving Occupations	40,304
Total	644,993

Data taken from Michigan Talent Bank, summarizing the occupational and educational characteristics of active job seekers.

* Occupational distribution remained relatively unchanged over the last quarter.

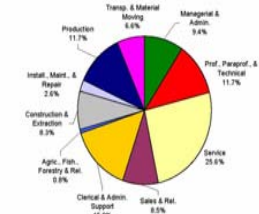
* Educational distribution remained relatively unchanged over the last quarter.

Source: MDLE
Bureau of Labor Market Information and Strategic Initiatives

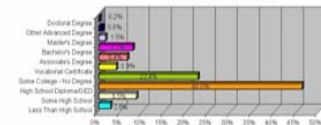
Note #1: Data represents only available resumes.

Note #2: Statistics are calculated using only point-in-time active resumes.

Occupational Distribution

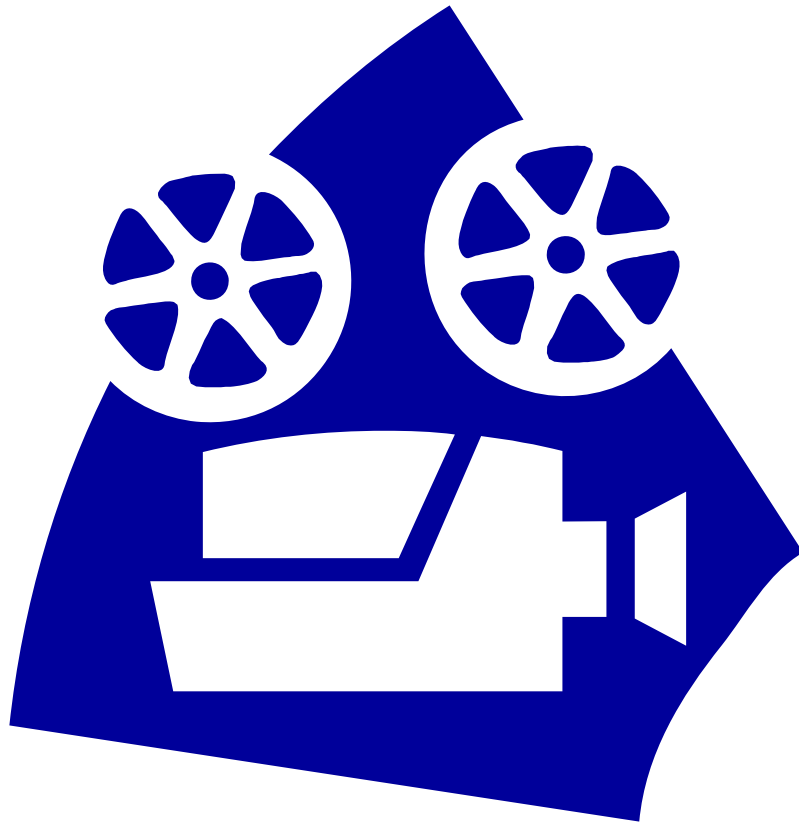


Educational Distribution



Other LMI Products

- **Affirmative Action Report**
- **Michigan's Labor Market News**
- **LMI Presentations**
- **Joint LMI conferences**
- **Regional analysts/consultants**



Recent LMI Initiatives

Recent LMI Initiatives

- **Michigan Economic & Workforce Indicators**
- **Innovation Indicators**
- **Michigan's Hot 50 Jobs**
- **Job Vacancy Survey**
- **Business Employment Dynamics**
- **Local Employment Dynamics**
- **Study on Green Jobs in Michigan**

Job Vacancy Survey

- Annual employer survey and report
 - Statewide and regional data
- Detailed information on area job vacancies
- Methodology designed by a consortium of states



A publication of the
Department of Labor & Economic Growth

What Can The Job Vacancy Survey Provide For You?

- **A measure of hiring demand for workers**
 - **By region, industry & occupation**
- **An analysis of the characteristics of job vacancies**
 - **By occupational group & industry**
 - **Wages & benefits**
 - **Education & experience requirements**
 - **Location of job openings**





Major Components of Business Employment Dynamics (BED)

- BED data decompose net employment changes into:
- Gross job gains:
 - Openings
 - expansions
- Gross job losses:
 - Closings
 - Contractions



Local Employment Dynamics

- Joint Program between states and U.S. Census Bureau
- Provides 29 workforce indicators by worker age & gender, by county and workforce board area
 - Among these indicators:
 - Job creation
 - Job destruction
 - Net job flows
 - New hires
 - Turnover
 - Average earnings for new hires
- Provides ability to measure job creation at local level, by worker demographics by industry
- Allows mapping of labor sheds and regional commuting patterns
- No new employer reporting burden



LED Quarterly Workforce Indicators

- Total Employment
- Net Job Flows
- Job Creation
- New Hires
- Separations
- Turnover
- Average Monthly Earnings
- Average New Hire Earnings

All Quarterly Workforce Indicators can be analyzed at the detailed industry level

LED - What's In It For Local Workforce Information Users?

- LED data sheds light on the following workforce questions....
 - “How much job creation is occurring in industries with a net loss of jobs?”
 - “Which industries pay the best wage to new hires?”
 - “What are key benchmarks around turnover and retention?”
 - “What are the top industry sectors for focusing workforce and economic development time and resources?”
 - “What is the pattern of new hires in my area?”
 - “What are the characteristics of the labor pool of recently employed persons in my area?”

Output of QWI Comparison Report Charts

Ingham, Michigan

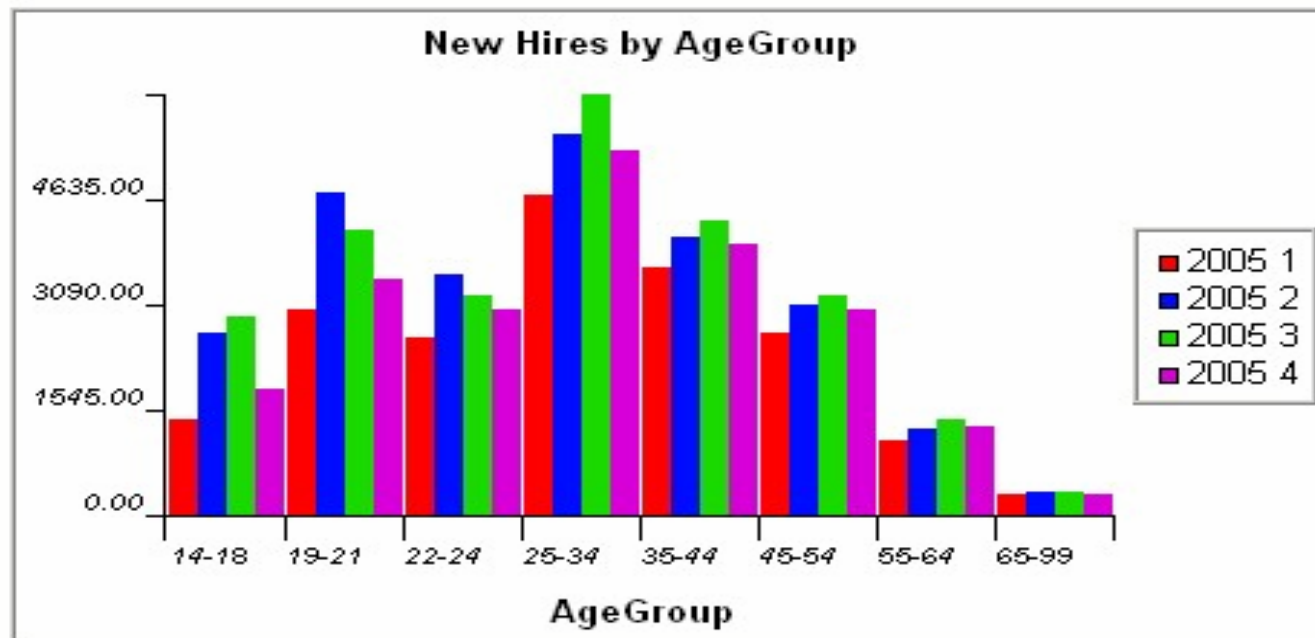


Chart Data - Ingham, Michigan

AgeGroup =>	14-18	19-21	22-24	25-34	35-44	45-54	55-64	65-99
2005 1; New Hires =>	1,414	3,041	2,636	4,726	3,659	2,708	1,132	321
2005 2; New Hires =>	2,679	4,754	3,557	5,613	4,091	3,116	1,275	374
2005 3; New Hires =>	2,938	4,214	3,260	6,180	4,358	3,257	1,427	349
2005 4; New Hires =>	1,859	3,475	3,028	5,387	4,001	3,035	1,313	340

Industry Focus

Identify Top Sectors Based on Custom Rankings

Local Employment Dynamics

All About Jobs

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[QWI Online](#)
[OnTheMap](#)
[Industry Focus](#)
[Cornell-based Data Access](#)
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Industry Focus: Selecting Top Industries

List the top industries ranked by the greatest:

Ranking Indicator (Select One)	Include in report (Select One or More)	
<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	Employment ¹
<input type="radio"/>	<input type="checkbox"/>	Growth in Employment ¹
<input type="radio"/>	<input type="checkbox"/>	Growth in hiring ¹
<input type="radio"/>	<input type="checkbox"/>	Number of new hires ¹
<input type="radio"/>	<input type="checkbox"/>	Firm Job Change ¹
<input type="radio"/>	<input type="checkbox"/>	Average monthly earnings for all workers ¹
<input type="radio"/>	<input type="checkbox"/>	Growth in average monthly earnings for all workers ¹
<input type="radio"/>	<input type="checkbox"/>	Average monthly earnings for new hires ¹

Age and Sex:

Age

14-99

Sex

Male and Female

Geography:

State

Michigan

Entity:

☒ Statewide
☐ WIA
☐ County
☐ Metro Area

Select Industry Level:

☐ Industry Sector
☒ Industries

Industry Sector:

All Sectors

View Report

Download CSV

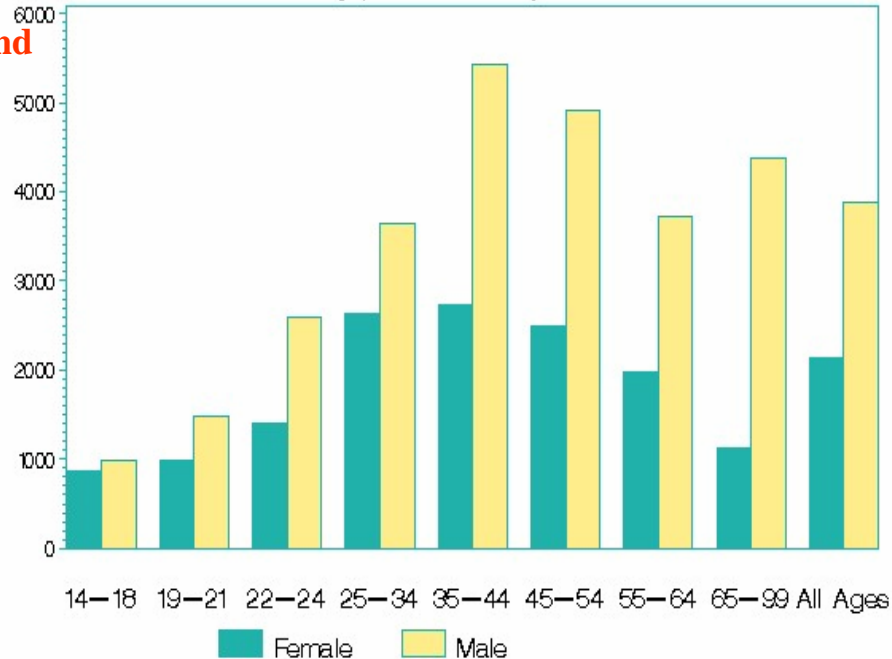
Create PDF

Kent County – Professional & Technical Services New Hire Earnings by Age by Gender

Industry Focus: Workforce Characteristics Results

Some industries display some major New Hire Earnings differences among women and men in prime working ages..

New Employee Average Monthly Earnings by Age and Sex
State=Michigan, County=081 Kent,
Industry=541 Professional, Scientific, and Technical Services
Date=2006Q3, Private Firms Only



	14-18	19-21	22-24	25-34	35-44	45-54	55-64	65-99	All Ages
Female	858	994	1,407	2,642	2,741	2,502	1,970	1,127	2,135
Male	981	1,485	2,585	3,646	5,430	4,919	3,717	4,373	3,879

What do you want to find out about the workforce?

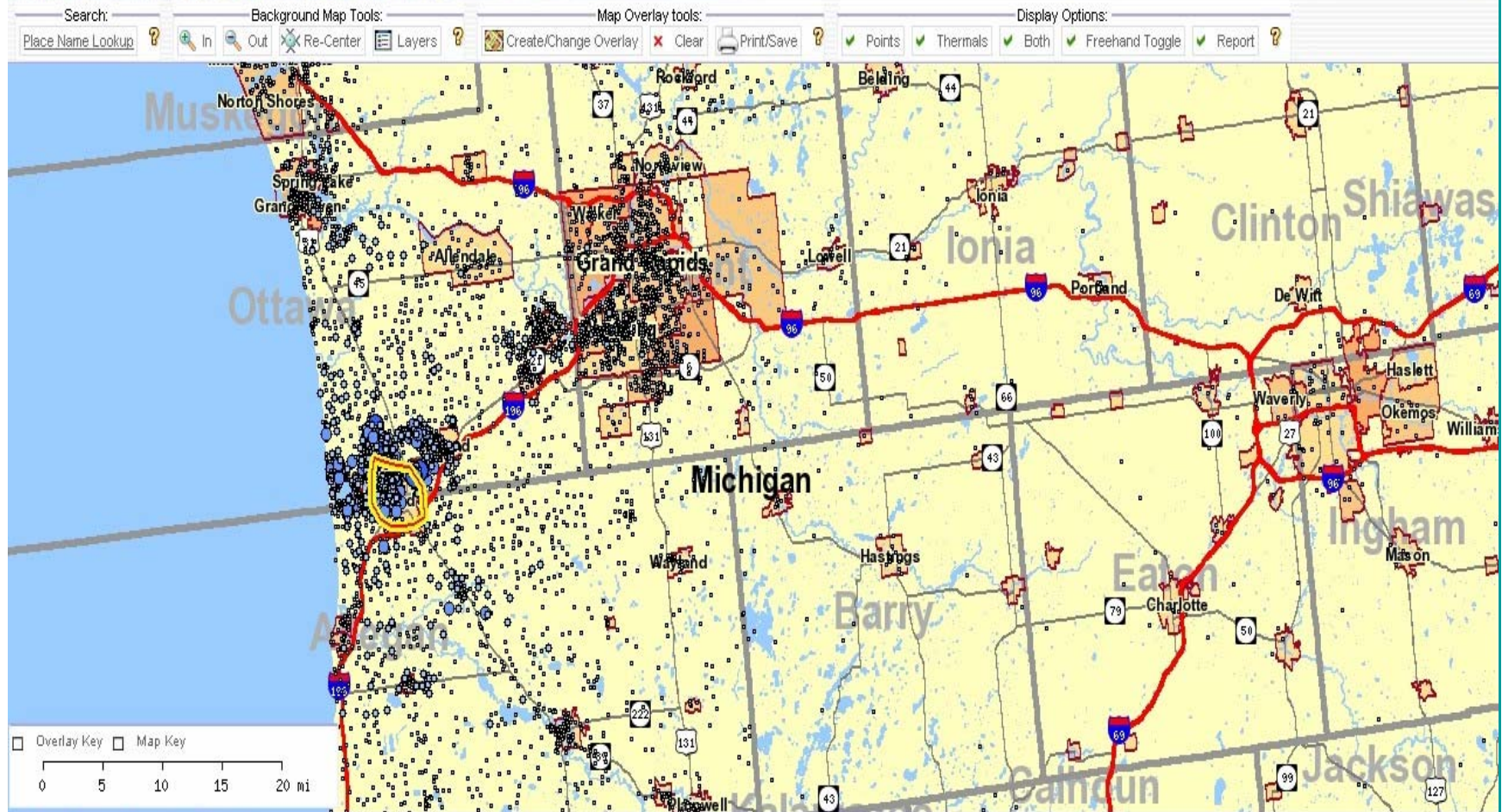
☐ Employee Distribution by Age and Sex 

OnTheMap Labor Shed Map

Holland, Michigan Workers – Where Do They Live?

U.S. Census Bureau **LED OnTheMap**

[LED Home](#) [Help](#) [OnTheMap Tool](#) [Text-based tool](#)



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Source: U.S. Census Bureau, Data Integration Division | e-mail: did.local.employment.dynamics@census.gov

So, What's a Specific Example of Putting Local Employment Dynamics Data to Use??

- **Your job involves working with a local employer. The employer needs information on the size and characteristics of the local labor pool for an expansion or new plant location they are considering. What resources can you use to assist them?**
 - **Where do current workers live within a 20 mile radius of their location? What is the industry breakdown of those workers, and what are their average pay ranges?**
 - **Use the OnTheMap feature in LED to produce a labor shed map and an accompanying table showing the characteristics of those workers**
 - **Based on the firm's industry, how likely is it that their sector faces labor shortages due to an aging workforce?**
 - **Use the LED data on the age distribution of current workers to show whether their industry locally has an above average share of workers over age 55**
 - **What are the trends in wages for new hires in their industry? Are wage rates stable, rising, or falling locally for new hires?**
 - **New hire wages is one of the LED Quarterly Workforce Indicators**

Michigan Labor Market Information Website



Labor Market Information
Labor & Economic Growth



Michigan.gov
The Official State of Michigan Web Site

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Password:

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Michigan Fast Facts

Michigan Unemployment Rate (Seasonally Adjusted)

August 2008	8.9%
Change Over Month	+0.4
Change Over Year	+1.7

» **View:** [Michigan Employment Snapshot](#)
 » **Access:** [Historical Unemployment Rates](#)

Michigan Payroll Jobs (Seasonally Adjusted)

August 2008	4,197,000
Change Over Month	-20,000
Change Over Year	-70,000

» **View:** [Michigan Seasonally Adjusted Job Levels by Industry](#)
 » **View:** [Current Michigan Unadjusted Job Levels by Industry](#)
 » **Access:** [Historical Job Levels by Industry & Area](#)

Detroit Consumer Prices

August 2008	209.5
Change Over Year	+4.9%

what's new

- [MI Workforce Indicators - Summer08](#)
- [MI 2016 Employment Forecasts](#)
- [County Labor Force Data July 2008](#)
- [CES Metro Industry Data July 2008](#)
- [County QCEW Indust. Data 4th Qtr 07](#)
- [Summer Teen Job Outlook Release](#)
- [Mass Layoff Analysis 2nd Qtr 2008](#)
- [Annual Planning Reports 2008](#)
- [MI Industry Highlights August 2008](#)
- [WARN Notices August 2008](#)
- [MI Employment by Size of Firm](#)
- [Local Employment Dynamics](#)
- [BED-Business Employment Dynamics](#)
- [Innovation Indicators](#)

Additional Resources

[LMI Quick Reference Guide](#)

michigan.gov/lmi

Michigan Labor Market Information Website



The screenshot shows the Michigan Labor Market Information website. At the top, there is a banner with the DL&EG logo, the text "Labor Market Information Labor & Economic Growth", and the Michigan.gov logo. Below the banner is a navigation bar with links: Michigan.gov Home, LMI Home, Contact Us, Mi Fast Facts, LMI Intro, Data Explorer, Local Area Information, Career Center, and My Site. On the left side, there is a search bar and a list of links: Tour, Business Resources, Workforce Partners, Educators/Schools, Economic Developers, Employed/Unemployed, Industry Information, Wages, Occupation Information, The Future, Publications, Release Dates, Press Releases, and Archive. Below the search bar, there is a "New User? Sign Up." section with fields for Username and Password, a LOGIN button, and a "Forgot Password?" link. The main content area features a large green arrow pointing to "Michigan Fast Facts". Below this, there are three sections: "Michigan Unemployment Rate (Seasonally Adjusted)", "Michigan Payroll Jobs (Seasonally Adjusted)", and "Detroit Consumer Prices". Each section displays data for August 2008 and changes over the month and year. On the right side, there is a "what's new" section with a list of recent updates, including "MI Workforce Indicators - Summer08", "MI 2016 Employment Forecasts", "County Labor Force Data July 2008", "CES Metro Industry Data July 2008", "County QCEW Indust. Data 4th Qtr 07", "Summer Teen Job Outlook Release", "Mass Layoff Analysis 2nd Qtr 2008", "Annual Planning Reports 2008", "MI Industry Highlights August 2008", "WARN Notices August 2008", "MI Employment by Size of Firm", "Local Employment Dynamics", "BED-Business Employment Dynamics", and "Innovation Indicators". At the bottom right, there is a blue box with the text "Additional Resources" and "LMI Quick Reference Guide".

Michigan.gov Home **LMI Home** **Contact Us**

Mi Fast Facts **LMI Intro** **Data Explorer** **Local Area Information** **Career Center** **My Site**

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- County Labor Force Data July 2008
- CES Metro Industry Data July 2008
- County QCEW Indust. Data 4th Qtr 07
- Summer Teen Job Outlook Release
- Mass Layoff Analysis 2nd Qtr 2008
- Annual Planning Reports 2008
- MI Industry Highlights August 2008
- WARN Notices August 2008
- MI Employment by Size of Firm
- Local Employment Dynamics
- BED-Business Employment Dynamics
- Innovation Indicators

Additional Resources
LMI Quick Reference Guide

Michigan Labor Market Information Website



The screenshot shows the Michigan Labor Market Information website. The header includes the DL&EG logo, the title "Labor Market Information Labor & Economic Growth", and the Michigan.gov logo. A navigation bar contains links: Michigan.gov Home, LMI Home, Contact Us, Mi Fast Facts, LMI Intro, Data Explorer, Local Area Information, Career Center, and My Site. A search bar is on the left. The main content area is titled "Michigan Fast Facts" and features two sections: "Michigan Unemployment Rate (Seasonally Adjusted)" and "Michigan Payroll Jobs (Seasonally Adjusted)". A green arrow points from the "Michigan Payroll Jobs" section to the "what's new" sidebar. The sidebar lists various resources like "MI Workforce Indicators - Summer08", "MI 2016 Employment Forecasts", etc. At the bottom, there are sections for "Detroit Consumer Prices" and "Additional Resources" including a "LMI Quick Reference Guide".

Michigan.gov Home **LMI Home** **Contact Us**

Mi Fast Facts **LMI Intro** **Data Explorer** **Local Area Information** **Career Center** **My Site**

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- Workforce Partners
- Educators/Schools
- Economic Developers
- Employed/Unemployed
- Industry Information
- Wages
- Occupation Information
- The Future
- Publications
- Release Dates
- Press Releases
- Archive

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Password:

Forgot Password?

Michigan Fast Facts

Michigan Unemployment Rate (Seasonally Adjusted)

August 2008	8.9%
Change Over Month	+0.4
Change Over Year	+1.7

» **View:** [Michigan Employment Snapshot](#)
» **Access:** [Historical Unemployment Rates](#)

Michigan Payroll Jobs (Seasonally Adjusted)

August 2008	4,197,000
Change Over Month	-20,000
Change Over Year	-70,000

» **View:** [Michigan Seasonally Adjusted Job Levels by Industry](#)
» **View:** [Current Michigan Unadjusted Job Levels by Industry](#)
» **Access:** [Historical Job Levels by Industry & Area](#)

Detroit Consumer Prices

August 2008	209.5
Change Over Year	+4.9%

what's new

- [MI Workforce Indicators - Summer08](#)
- [MI 2016 Employment Forecasts](#)
- [County Labor Force Data July 2008](#)
- [CES Metro Industry Data July 2008](#)
- [County QCEW Indust. Data 4th Qtr 07](#)
- [Summer Teen Job Outlook Release](#)
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- [WARN Notices August 2008](#)
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Additional Resources

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Michigan Labor Market Information Website



Labor Market Information

Labor & Economic Growth



Michigan.gov

Michigan's State of Michigan Web Site

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Detroit Consumer Prices

August 2008	209.5
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michigan.gov/lmi



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- [MI 2016 Employment Forecasts](#)
- [County Labor Force Data July 2008](#)
- [CES Metro Industry Data July 2008](#)
- [County QCEW Indust. Data 4th Qtr 07](#)
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- [WARN Notices August 2008](#)
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- [Innovation Indicators](#)

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Workforce Partners Website Page

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[LMI Home](#)
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[LMI Intro](#)
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Workforce Partners

Michigan Job Growth by Occupational Group 2006 - 2016

	Growth	
	Jobs	%
Healthcare Support	27,410	20.0
Healthcare Practitioners and Technical	37,050	15.0
Computer and Mathematical	14,570	14.5
Community and Social Services	8,300	13.1
Personal Care and Service	17,920	12.4
Building & Grounds Cleaning & Maintenance	19,380	11.6
Business and Financial Operations	21,750	10.2
Food Preparation and Serving Related	34,300	9.4
Life, Physical, and Social Science	3,410	9.3
Legal	2,750	9.2
Education, Training, and Library	24,200	9.0
Architecture and Engineering	11,540	8.1
Arts, Design, Entertainment, Sports, & Media	6,250	8.0
Protective Service	5,830	7.0
Construction and Extraction	11,710	6.4
Sales and Related	30,380	6.2
Installation, Maintenance, and Repair	11,020	5.9
Office and Administrative Support	23,930	3.4
Management	8,350	3.1
Transportation and Material Moving	8,780	2.8
Farming, Fishing, and Forestry	130	0.3
Production	-14,430	-3.1

What's New

[Michigan Economic and Workforce Indicators - Summer 2008](#) This report tracks Michigan labor market trends on a series of indicators related to the workforce, knowledge-based jobs, innovation, education, and the economy. It provides a concise analysis of recent trends in these indicators as well as national or regional comparisons.

[Local Employment Dynamics](#) is a new tool that delivers county economic indicators not previously available with demographic detail. Job Creation, New Hires, Turnover, New Hire Earnings, and more!

[Innovation Indicators](#) This report presents an overview of Michigan's performance on a series of measures related to economic innovation.

[21st Century Industry Sector Analysis](#) - 13 customized regional information packages with data on regional economic indicators, and industry data such as growth, core, and competitive-advantage industries.

[Key Demand Occupations - 2012](#) Identify high demand occupations in Michigan and 18 regions with information on educational

Michigan Labor Market Information Website



The screenshot shows the Michigan Labor Market Information website. A green arrow points to the 'Data Explorer' link in the navigation bar. The website features a search bar, a sidebar with various links, and three main content sections: Michigan Fast Facts, Michigan Payroll Jobs, and Detroit Consumer Prices. A 'what's new' section on the right lists recent updates.

Michigan.gov Home **LMI Home** **Contact Us**

Search:

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- Business Resources
- Workforce Partners
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» **Access:** [Historical Job Levels by Industry & Area](#)

Detroit Consumer Prices

August 2008	209.5
Change Over Year	+4.9%

what's new

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- [MI 2016 Employment Forecasts](#)
- [County Labor Force Data July 2008](#)
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- [Local Employment Dynamics](#)
- [BED-Business Employment Dynamics](#)
- [Innovation Indicators](#)

Additional Resources
LMI Quick Reference Guide

Data Explorer Allows Users to Download Data

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[LMI Intro](#)
[Data Explorer](#)
[Local Area Information](#)
[Career Center](#)
[My Site](#)

Search:

[Advanced Search](#)

☒ Select Data Type

- All Data Types
- Consumer Price Index (CPI)
- Industry Employment (Establishments - CES)
- Income (Personal & Per Capita)
- Industry Projections (Long-Term)
- Unemployment Statistics (LAUS)**
- Occupational Projections (Long-Term)
- Occupational Projections (Short-Term)
- Population (Annual & Decennial)
- Industry Census of Employment & Wages (QCEW - ES202)
- Wages by Job Title (OES)

[New User? Sign Up.](#)

Username:

Password:

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Unemployment Statistics (LAUS)

[Help with Download](#)

Page 1 of 1 (100 results/page)

Year	Period	Area	Adjusted	Preliminary	Labor Force	Employment	Unemployment	Jobless Rate
2008	Jul	Ann Arbor, MI Metropolitan Statistical Area	Not Adj	Not Pre	186,359	173,420	12,939	6.9
2008	Jul	Battle Creek, MI Metropolitan Statistical Area	Not Adj	Not Pre	69,720	63,559	6,161	8.8
2008	Jul	Bay City, MI Metropolitan Statistical Area	Not Adj	Not Pre	55,449	50,712	4,737	8.5
2008	Jul	Detroit-Warren-Livonia, MI Metropolitan Statistical Area	Not Adj	Not Pre	2,158,000	1,955,000	203,000	9.4
2008	Jul	Flint, MI Metropolitan Statistical Area	Not Adj	Not Pre	202,098	177,195	24,903	12.3
2008	Jul	Grand Rapids-Wyoming, MI Metropolitan Statistical Area	Not Adj	Not Pre	414,204	380,974	33,230	8.0
2008	Jul	Holland-Grand Haven, MI Metropolitan Statistical Area	Not Adj	Not Pre	136,624	126,103	10,521	7.7



Additional Features of the Website

- **Labor Market Tools**
 - **Local area economic profiles**
 - **Compare Occupations**
 - **Compare Areas**
 - **Find Employers**
 - **Training providers & programs**



Michigan Jobs & Career Portal

Get Skills. Explore Careers. Find Work. Find Workers.



Michigan.gov



The Official State of Michigan Website

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[Careers Home](#) | [Contact Us](#) | [MI Careers FAQ](#) | [State Web Sites](#)



Printer Friendly



Text Version



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A- A+ Text Size

Search



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[Students & Parents](#)

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[Support Services](#)

Training for Jobs

No Worker Left Behind Program

THE DIFFERENCE
YOU CAN MAKE

 **Michigan Talent Bank**
Bringing People & Jobs Together

**Jobs, Jobs, Jobs
And MORE Jobs!**

**Upcoming
Job Fairs**

MICHIGAN
Colleges & Universities

**SHARE Network
Michigan**

• Welcome to the Michigan Jobs & Career Portal

Search for jobs, start a business, find financial aid for school and job training resources. Learn about careers and new occupations. Connect to resources for employers, teachers, students, & parents.

- **Video> Take a Tour of the Jobs and Careers Home Page!**
[Click Here](#)

Job Seekers

- [Search Mi Jobs & Post Resume](#)
- [File Unemployment Claim Online](#)
- [State & Local Government Jobs](#)
- [Federal Government Jobs](#)
- [Mi Temp Employment Agencies](#)
- [Persons with Disabilities](#)
- [Job and Career Fairs](#)
- [Start a Business](#)
- [Local Offices](#)
- [Financial Aid for Education](#)
- [Explore Careers & New Occ.'s](#)
- **Feature** - [Saginaw Area Jobs](#)

Students & Parents

- [Career Exploration](#)
- [Homework Help](#)
- [Financial Aid/Scholarships](#)
- [Mapping Your Future](#)
- [Education Initiatives](#)
- > [More for Students & Parents](#)

Employers

- [Search for Employees](#)
- [Post A Job](#)
- [Pledge Jobs Today](#)

Teachers

- [New Teacher & ASSISTance for Exp. Teacher & Admin.](#)
- [Books, Videos, Software, CD-ROMs, Learning Packs, ...](#)
- [Gateway to Educ. Materials](#)
- [Teachers - ED.gov](#)
- > [More for Teachers](#)

Support Tools

- [Find a Local Michigan Works! Agency](#)
- [PERSONAL FINANCE](#)

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QUICKLINKS

- [Michigan Talent Bank](#)
- [Michigan Works!](#)
- [Michigan Rehabilitation Services \(MRS\)](#)
- [Paying for College - Student Financial Aid](#)
- [MI Internships](#)
- [U.S. Department of Labor](#)
- [Labor Market Information](#)
- [Migrant & Seasonal Farm Worker Program](#)
- [Office of Career and Technical Preparation](#)
- [Veterans Employment Services](#)
- [Career Education - Consumer Report](#)
- [Michigan eLibrary](#)

More Than
80,000

PERSONAL FINANCE

2007 Tax Forms

Bureau of Labor Statistics Website

 Bureau of Labor Statistics

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Latest from BLS

[Common Misconceptions about the Consumer Price Index: Questions and Answers](#)

Economic News Releases

[Regional and State Employment and Unemployment \(Monthly\)](#)

September 19, 2008

In August, 44 states and the District of Columbia recorded over-the-month unemployment rate increases, 5 states registered decreases, and 1 state had no change. Nonfarm payroll employment increased in 32 states and the District of Columbia, and decreased in 18 states.
[Full Text »](#)

[Consumer Price Index](#)

September 16, 2008

On a seasonally adjusted basis, the CPI-U decreased 0.1 percent in August, following a 0.0 percent increase in July.

www.bls.gov

Spotlight on Statistics

[Older Workers](#)

Workers age 65 and over are changing the face of the American workplace. This Spotlight on Statistics tells you how, using charts and audio.



▶ 00:00 | 00:00 | 🔊

Regional Offices




Latest Numbers

Consumer Price Index (CPI):

-0.1% in Aug 2008

 [News Release](#)

 [Historical Data](#)

Unemployment Rate:

6.1% in Aug 2008

 [News Release](#)

 [Historical Data](#)

Payroll Employment:

-84,000(p) in Aug 2008

 [News Release](#)

 [Historical Data](#)

Average Hourly Earnings:

+\$0.07(p) in Aug 2008

 [News Release](#)

 [Historical Data](#)

Producer Price Index (PPI):


-0.9%(p) in Aug 2008


 [News Release](#)

 [Historical Data](#)

Employment Cost Index (ECI):


+0.7% in 2nd Qtr of 2008


 [News Release](#)

 [Historical Data](#)

Productivity:


+4.3% in 2nd Qtr of 2008

 [News Release](#)

 [Historical Data](#)

U.S. Import Price Index:

-3.7% in Aug 2008

 [News Release](#)

 [Historical Data](#)

p- preliminary



CAREER INFONET –

A LINK TO THE NATIONAL JOB MARKET



careeronestop
PATHWAYS TO CAREER SUCCESS

<http://www.acinet.org>

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Explore Careers

[Home](#) > Career InfoNet
America's Career InfoNet



America's Job Bank ceased operations on July 1, 2007. Link to state job banks, private-sector job banks and portal Web sites at www.Jobbankinfo.org

Occupation Information

Build a profile with employment, wages, skills, and more. Find high-growth and high-wage occupations. Learn about cutting-edge [tools and technology](#) used in specific occupations.

Industry Information

Create an industry profile with employment and wage trend information. Find industries with the largest employment and those projected to grow the fastest. Includes employment and wage information at the national, state, metropolitan area and county levels.

State Information



OnLine Coaches **Need a Coach?**

Find step-by-step assistance using online resources that fit your needs.

Videos



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- [Military Transition Portal](#)
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- [Employment Center](#)
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Welcome to O*NET™ OnLine!

Making occupational information interactive and accessible for all...

[About New Data in OnLine](#)

[Find Occupations](#)

Find occupations using keywords, O*NET-SOC codes, Job Families, or by viewing a complete list.

[Skills Search](#)

Use a list of your skills to find matching O*NET-SOC occupations.

[Crosswalk](#)

Use other classification systems (DOT, SOC, MOC, and RAIS) to find matching O*NET-SOC occupations.

If your search identifies occupations that require skills or abilities that may be difficult to use because of a health problem or disability, please consider [job accommodations](#). Accommodations may involve a change in the work environment, the way a specific job is performed, or the use of special equipment.

<http://online.onetcenter.org>

Browse by O*NET Descriptor

Knowledge — English Language [Save Table \(XLS/CSV\)](#)

Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Sort by:	Importance ▼	Level	Code	Occupation
	0 	9 	47-2043.00	Floor Sanders and Finishers
	5 	14 	51-9071.06	Gem and Diamond Workers
	5 	17 	51-9071.01	Jewelers
	8 	12 	47-2142.00	Paperhangers
	8 	17 	47-2072.00	Pile-Driver Operators
	10 	14 	49-9093.00	Fabric Menders, Except Garment
	13 	9 	51-2093.00	Timing Device Assemblers, Adjusters, and Calibrators
	13 	9 	51-9195.05	Potters, Manufacturing InDemand
	13 	17 	47-5051.00	Rock Splitters, Quarry
	13 	17 	47-5041.00	Continuous Mining Machine Operators
	13 	19 	51-9071.07	Precious Metal Workers
	13 	21 	53-7033.00	Loading Machine Operators, Underground Mining
	14 	18 	47-4091.00	Segmental Pavers
	16 	No data available	45-4021.00	Fallers
	17 	24 	53-7031.00	Dredge Operators
	18 	18 	45-4022.00	Logging Equipment Operators
	19 	18 	41-9012.00	Models
	21 	24 	51-4072.00	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
	22 	20 	51-4051.00	Metal Refining Furnace Operators and Tenders



O*NET OnLine

Occupational Information Network ▼

[Related Sites](#) • [OnLine Help](#) • [Home](#)

Occupation Quick Search:



Browse by O*NET Descriptor

O*NET Descriptors are categories of occupational information collected and available for O*NET-SOC occupations. Each descriptor contains more specific elements with data ratings.

Physical Abilities ▼



Abilities — Physical Abilities

Abilities that influence strength, endurance, flexibility, balance and coordination

[Dynamic Flexibility](#) — The ability to quickly and repeatedly bend, stretch, twist, or reach out with your body, arms, and/or legs.

[Dynamic Strength](#) — The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.

[Explosive Strength](#) — The ability to use short bursts of muscle force to propel oneself (as in jumping or sprinting), or to throw an object.

[Extent Flexibility](#) — The ability to bend, stretch, twist, or reach with your body, arms, and/or legs.

[Gross Body Coordination](#) — The ability to coordinate the movement of your arms, legs, and torso together when the whole body is in motion.

[Gross Body Equilibrium](#) — The ability to keep or regain your body balance or stay upright when in an unstable position.

[Stamina](#) — The ability to exert yourself physically over long periods of time without getting winded or out of breath.

[Static Strength](#) — The ability to exert maximum muscle force to lift, push, pull, or carry objects.

[Trunk Strength](#) — The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.

[Find Occupations](#)

[Crosswalk](#)

[Skills Search](#)

[Tools & Technology](#)

How to Obtain Labor Market Information

➤ On the Web

➤ Address www.michigan.gov/lmi

➤ Detroit Labor Market Analysis Section

➤ Telephone 313/456-3090

➤ Regional Labor Market Analysts

➤ Leonidas Murembya murembyal@michigan.gov

➤ Jason Palmer palmerj2@michigan.gov

➤ Mark Reffitt reffittm@michigan.gov

***Labor Market Information:
What Can It Tell You About Workforce
Trends in Michigan and Your Local
Region?***

*Bruce Weaver
DLEG – Bureau of Labor Market Information
September 25, 2008*



Labor Market Information PowerPoint

will be posted on www.michigan.gov/bwt in the next few days.

Please send an email to paffordj@michigan.gov to request a copy of the PowerPoint.

Today's Presenter was Bruce Weaver

weaverb@michigan.gov

313-456-3091